DRAFT AGENDA: MISR Data Users Science Symposium 2012
Beckman Institute Auditorium, California Institute of Technology, Pasadena, CA

Monday, December 10

Welcome

8:15 AM	Sign-in	All	30
8:45 AM	Welcome	David Diner	15

Aerosols — Moderator: TBD

9:00 AM	What MISR can say about wildfire smoke, volcanic ash, and urban pollution	Ralph Kahn	20
9:20 AM	Time series analysis of global surface PM2.5 from remote-sensed aerosol optical depth	Brian Boys	20
9:40 AM	Satellite-observed trend in particle sulfate concentrations in the continental U.S. and its surrounding regions	Yang Liu	20
10:00 AM	A high-resolution aerosol retrieval method for urban areas using MISR data	Taesup Moon	20
10:20 AM	Break	All	20
10:40 AM	The Multi-Angle Imager for Aerosols (MAIA) concept	David Diner	20
11:00 AM	Sensitivity of multiangle photo-polarimetry to absorbing aerosol properties	Olga Kalashnikova	20
11:20 AM	A numerical testbed for remote sensing of aerosols	Jun Wang	20
11:40 AM	Smoke and dust aerosol type discrimination in MAIAC algorithm	Alexei Lyapustin	20
12:00 PM	Southern Ocean aerosol optical depth maximum: perspectives from Multiangle Imaging SpectroRadiometer retrievals and in-situ observations	Marcin Witek	20
12:20 PM	Discussion	All	10
12:30 PM	Lunch	All	90

Surfaces — Moderator: TBD

2:00 PM	Angle of polarization as a contrast mechanism in remote sensing	Russell Chipman	20
2:20 PM	Evidence in favor of and against the polarimetric spectral invariance hypothesis	Christine Bradley	20
2:40 PM	The MISR-HR system: Status and prospects	Michel Verstraete	20

Poster session I

3:00 PM	Poster viewing and break	All	90

Surfaces (continued)

4:30 PM	What can multi-angle MISR observations at 275m resolution tell us about foliage clumping?	Jan Pisek	20
4:50 PM	Global mapping of vegetation background using MISR data for improving LAI retrieval	Jing Chen	20
5:10 PM	Discussion	All	10
5:20 PM	Adjourn		

Social event at the La Cañada Flintridge Country Club

6:30 PM	Cocktails
7:00 PM	Dinner and music

Tuesday, December 11

Clouds — Moderator: TBD

9:00 AM	Cloud drop effective radius as seen from aircraft, MODIS and MISR	Larry Di Girolamo	20
9:20 AM	AirMSPI polarimetric observations of cloud drop size distributions	Michael Garay	20
9:40 AM	An intercomparison of clouds and radiation in CMIP5 models	Benjamin Hillman	20
10:00 AM	Cloud properties in the southern oceans: observations vs. models	Catherine Naud	20
10:20 AM	Break	All	20
10:40 AM	Differences between MISR CTH products in Sc-to-Cu transition areas	Elke Ludewig	20
11:00 AM	Statistical analysis of the new MISR cloud height and motion data	Dong Wu	20
11:20 AM	Trends in cloud top height: Real or not?	Joel Norris	20
11:40 AM	Changes in effective height and albedo	Roger Davies	20
12:00 PM	Discussion	All	10
12:10 PM	Lunch	All	90

Motion and 3D — Moderator: TBD

1:40 PM	Detecting moving watercrafts using MISR	Vadim Kotlar	20
2:00 PM	Recovery of aerosol 3D distribution based on multiangular imaging: a single-scattering baseline	Amit Aides	20
2:20 PM	Removing effects of 3D canopy structure on retrieving leaf biochemical constituents	Yuri Knyazikhin	20
2:40 PM	MISR-based 3D cloud tomography: A progress report	Anthony Davis	20
3:00 PM	Discussion	All	10

Poster session II

3:10 PM	Poster viewing and break	All	90

TBD — Moderator: TBD

4:40 PM	TBD	TBD	20
5:00 PM	TBD	TBD	20

Wrap-up

5:20 PM	Closing comments	David Diner	10
5:30 PM	Adjourn		

Posters

No.	Title	Lead author
1	Hi-res cloud base and layer recovery from multi-angle dense images	Amit Aides
2	The new GroundMSPI polarimeter	Karlton Crabtree
3	Case studies of aerosol remote sensing with the Airborne Multiangle SpectroPolarimetric Imager (AirMSPI)	David Diner
4	TBD	Barbara Gaitley
5	What causes MISR nonsphericity bands: Operational algorithm sensitivity to non-spherical models	Olga Kalashnikova
6	Initial evaluation of MISR L2 TCSP wind product against ERA-interim reanalysis	Jae Lee
7	Retrieving aerosol in a cloudy environment: aerosol product availability as a function of spatial resolution	Shana Mattoo
8	Towards optimization of MISR aerosol retrievals	Suniti Sanghavi
9	Bidirectional polarization of sorghum canopy	Vern Vanderbilt
10	High spatial resolution (275 m) land surface ECVs from the MISR-HR package	Michel Verstraete
11	Decadal observations of rift propagation in the Amery Ice Shelf, East Antarctica	Catherine Walker